Joint National Training Capability Horizontal Training Event January 2004



Technology Division
Training & Education
Command
US Marine Corps

OUTLINE

- PREPARATION AND INFRASTRUCTURE UPGRADES
- EXECUTION
- KEY ISSUES



MARFOR HQ





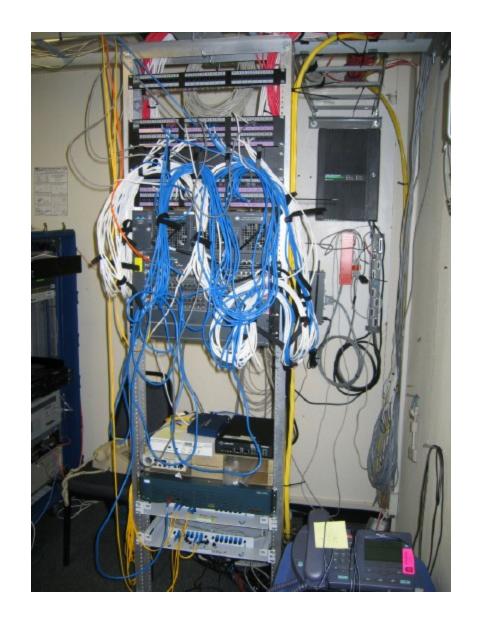
3rd LAR

NETWORK UPGRADES

- JFCOM deployable network racks.
- VOIP telephony, Microsoft Windows NT network, Print Services, File Services, and Exchange Mail
- Loaner gear

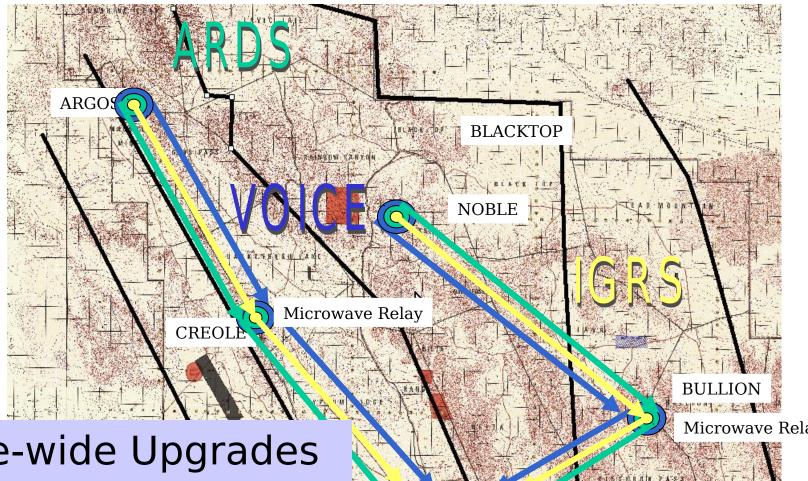


- Network rack connectivity organic to the 29 Palms BSC
- Provides the connectivity to the existing fiber to Bearmat
- Power Upgrade for the BSC



- Trailers added
 - JECG
 - ARDS/IGRS Control
- Security Upgrades
 - In-processingCenter
 - Security Fence





Base-wide Upgrades

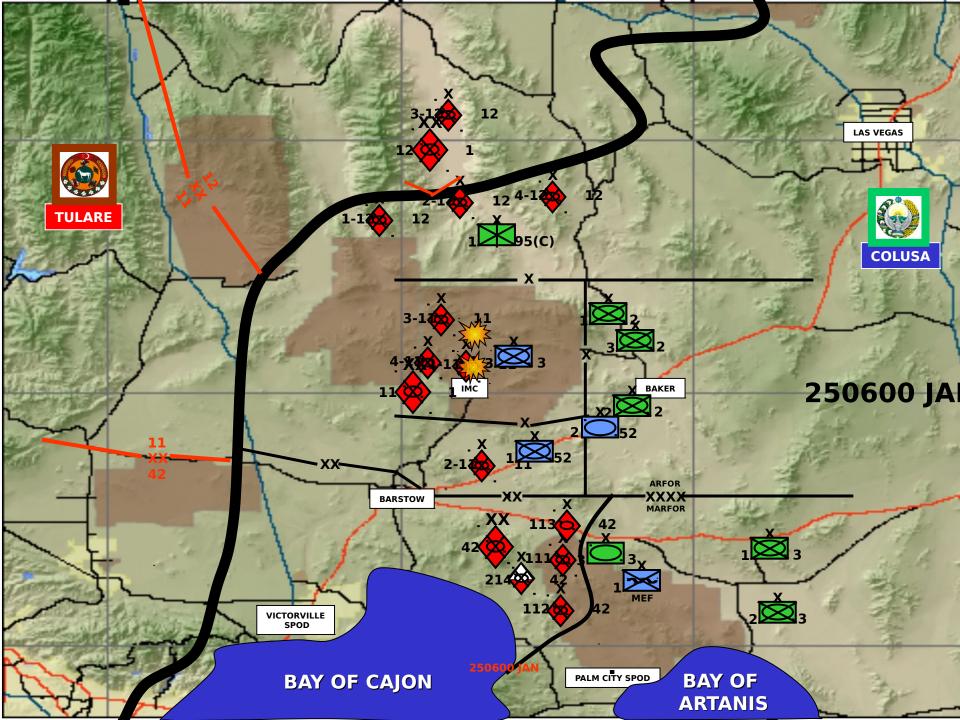
- Camp Wilson fiber
- Solar Power upgrades
- End-to-End 16XT1

JNTC JMO ASSISTANCE

- MCAGCC Infrastructure
- Deployable Virtual Training Environment (DVTE)
 - Integration Event
 - TENA
 - Execution Support
- Integrated GPS Radio System (IGRS)
 - TENA
 - Execution Support
- Advanced Range Data System (ARDS)

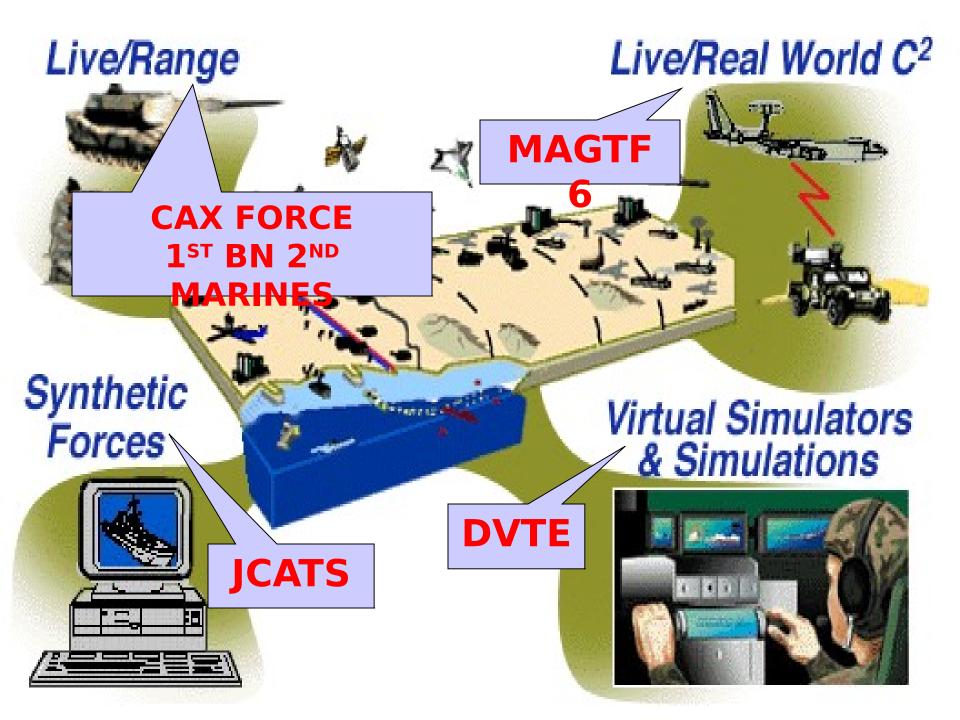


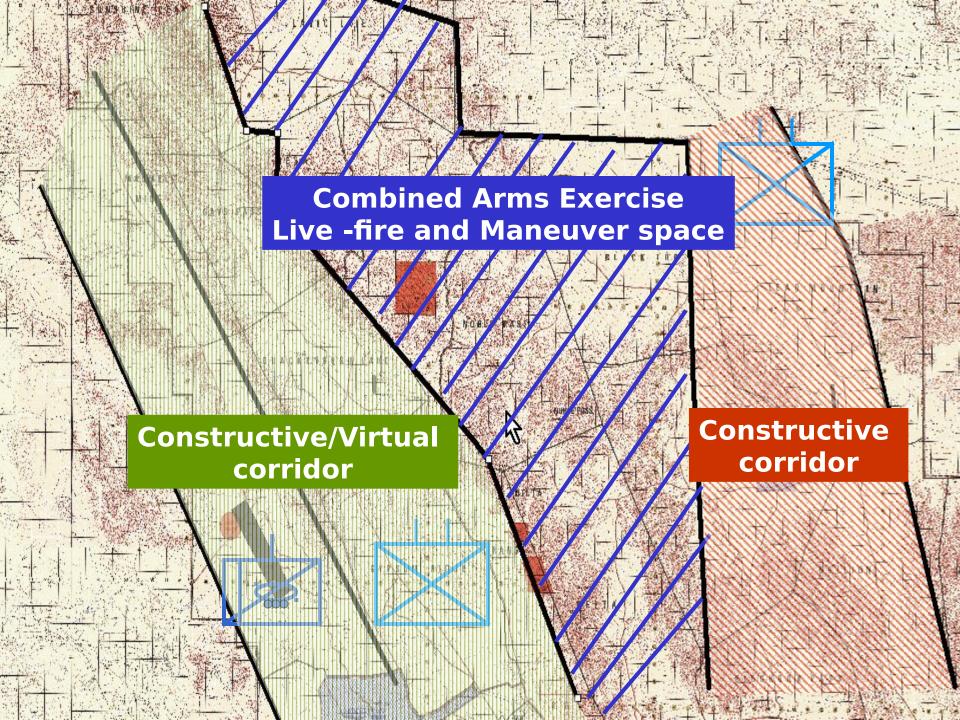


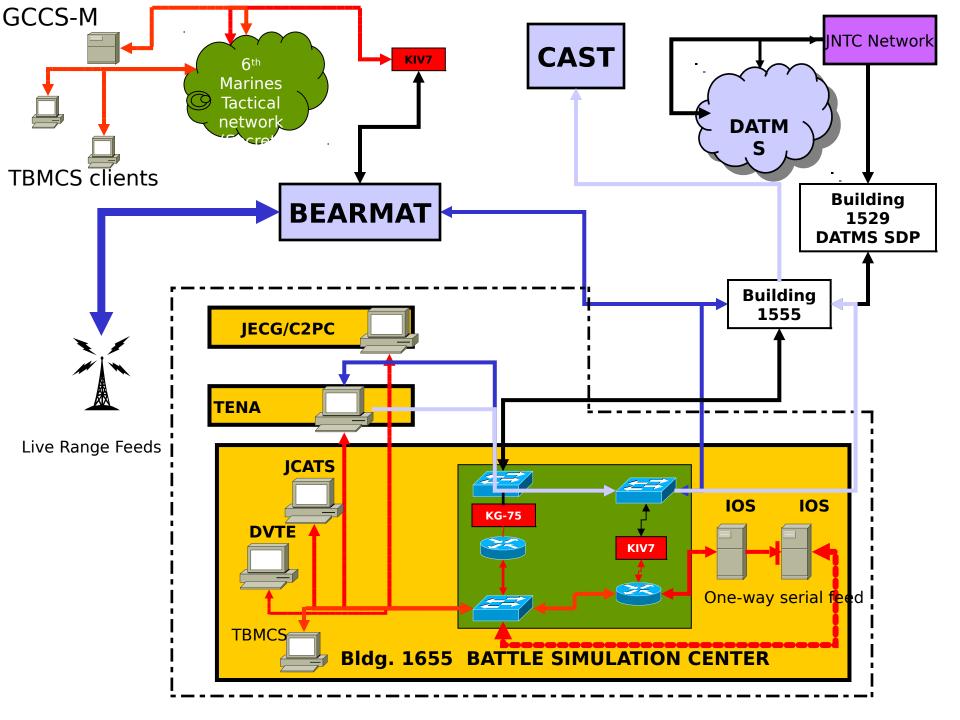


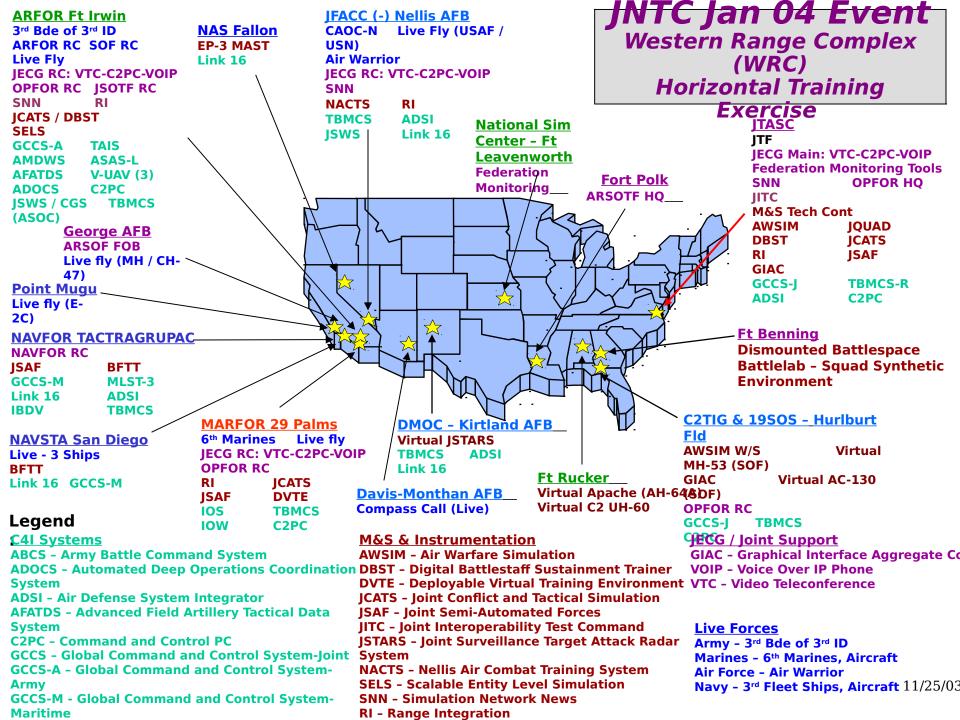
29 JAN 04 SORTIES

- 54 FW Sorties
 - 2x4ship F-16s
 - 1x2ship USN F/A-18
 - 44 USMC
- 24 Sim (include U-2, V-JSTARS)
- 4 RW



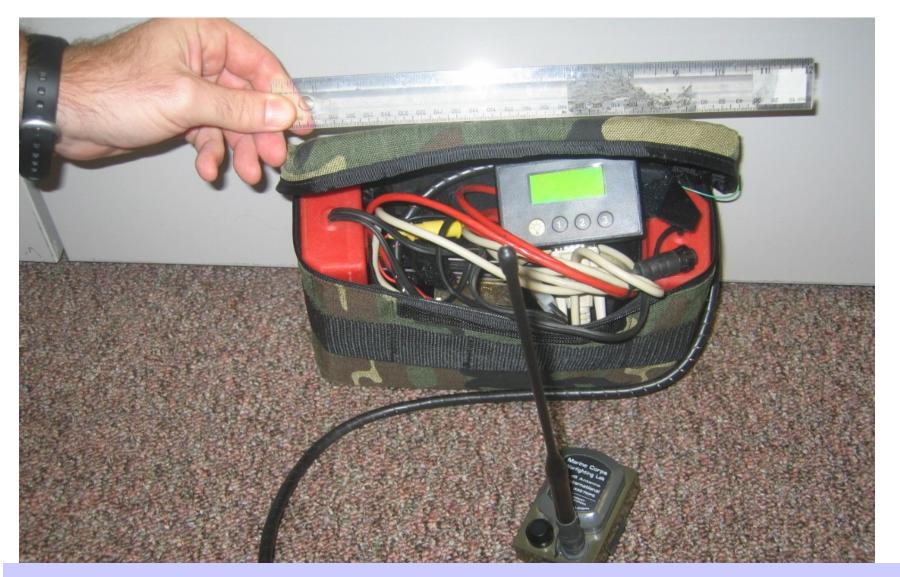






TRACKING

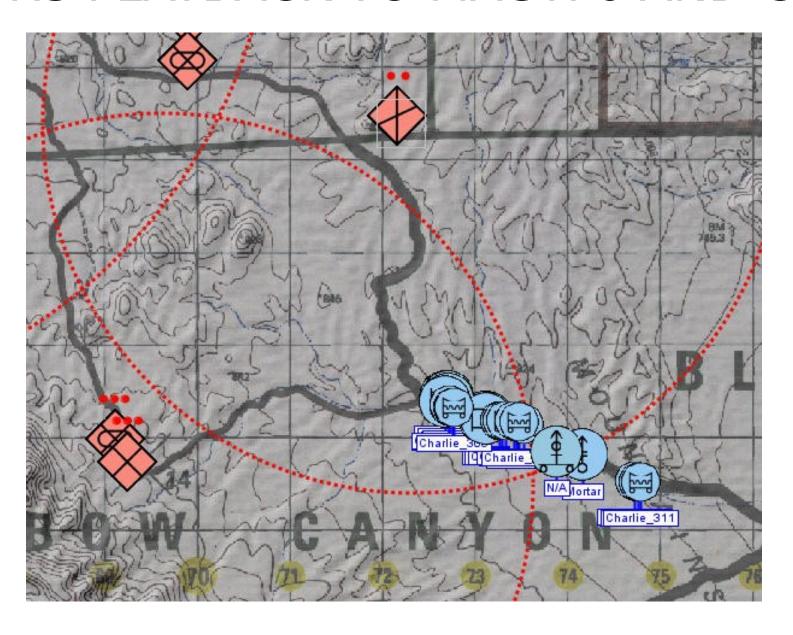
- Air
 - Advanced Range Data System (ARDS)
 - 13 EAF
 - Air Warrior System (AWS)
 - 13 EAF
- Ground
 - Integrated Global Positioning System (GPS) Radio System (IGRS)
 - 175 entities at 29 Palms



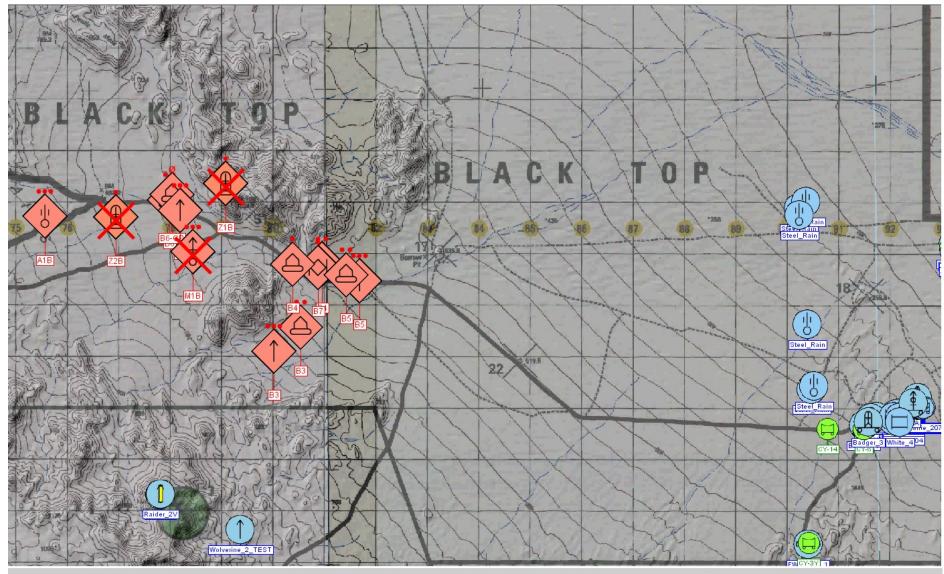
Integrated GPS Radio System (Ver

1.0)

IGRS PLAYBACK TO MAGTF6 AND CYS

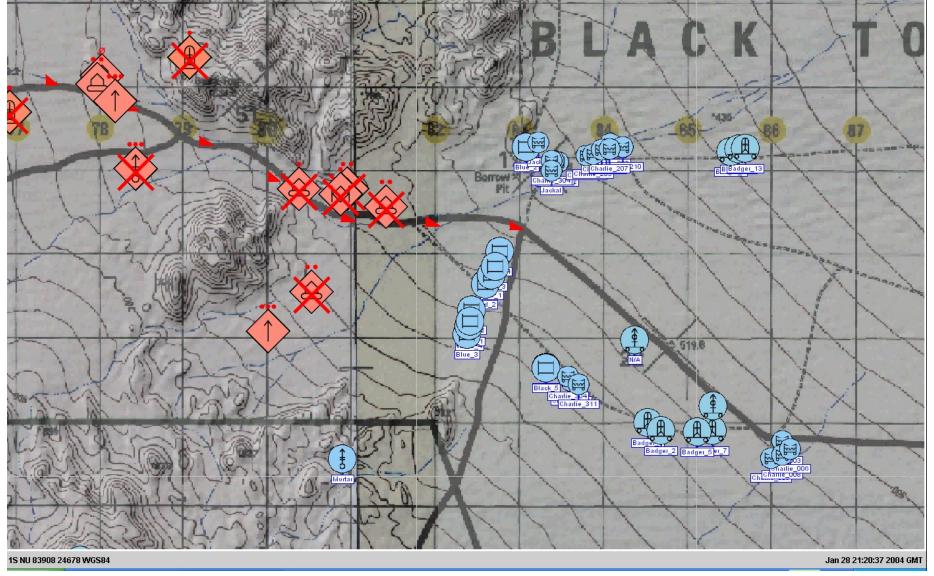


CAX FINEX Day 1 (click)

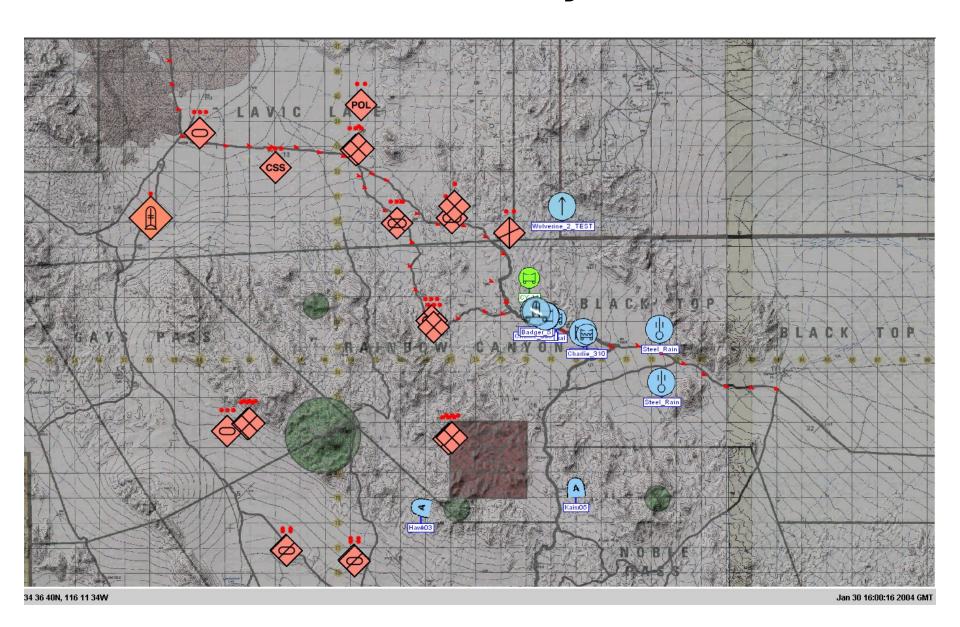


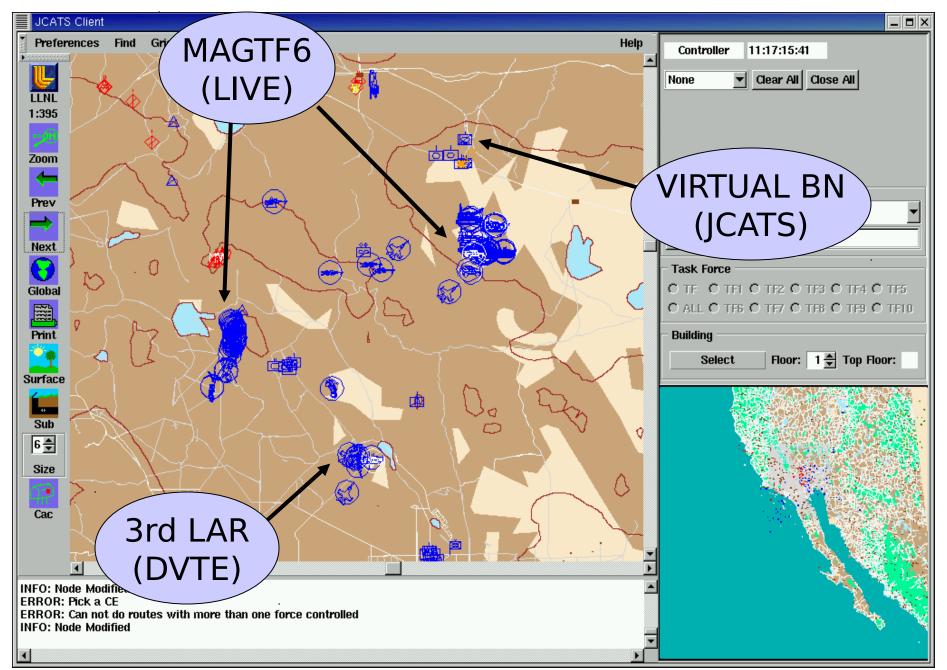
CAX FINEX Day 1 Breach

(click)

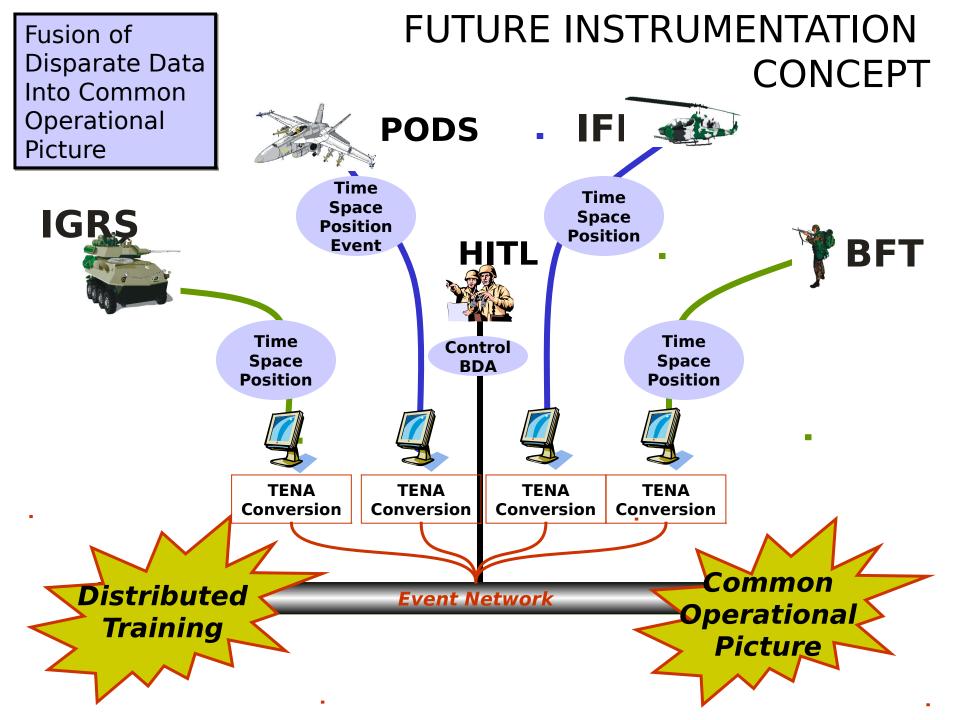


CAX FINEX Day 3 (click)





KEY: encircled entities are non-JCATS





INSTRUMENTATION

- Power brown-out caused interference with Safety Net
- Mitigated by moving power units around
- Indication that hilltop relays/collection points need engineering
- Some IGRS units not turned on

EXERCISE CONTROL

- Coyotes (CAX Controllers)
 accustomed to manipulating RED
 tracks without consultation
- Pressurizes scenario cohesion
- Stressed JECG

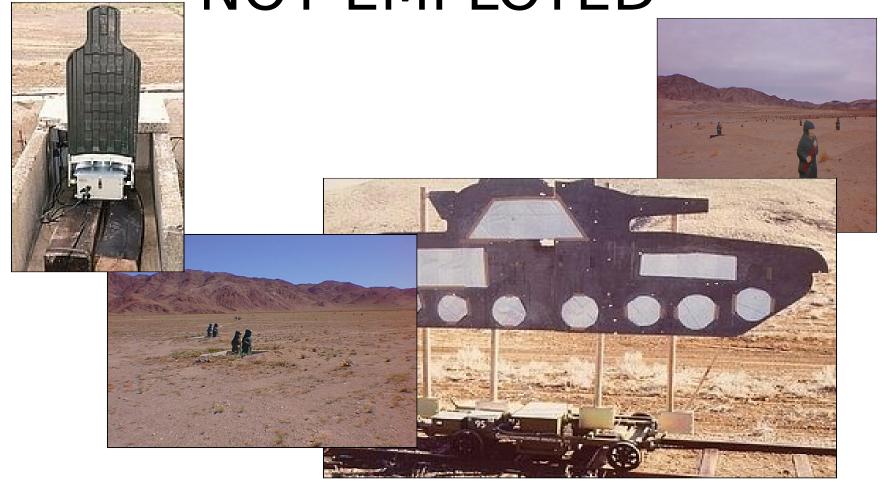
CONSTRUCTIVE SIMULATION

- SNE choked with non-existent rivers
- Observation ranges unrealistically short
- Ground units missing FOs
- Viewer & maps

VIRTUAL SIMULATION (DVTE)

- Under-utilized
- Entity Count (our bust)
- LAR not doctrinally Controlled
- DVTE Air Requested and Denied

RANGE TARGETRY WAS NOT EMPLOYED

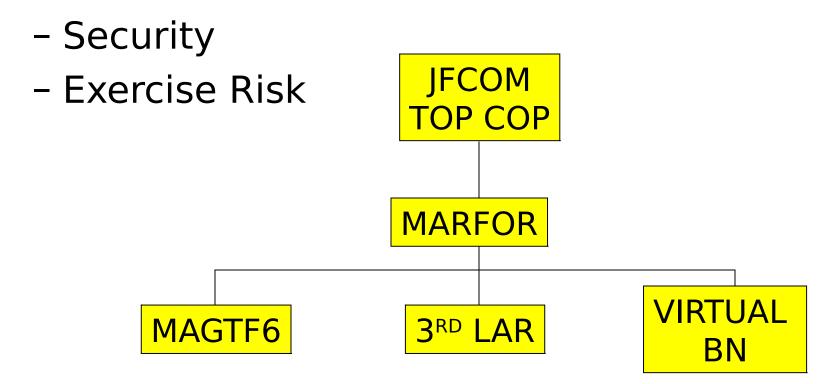


Joint Close Air Support

- ETAC training vs. Air Crew preparation
- Army-USAF Culture Gap
- Air Management became an important Assessment Point LATE in the game.

JOINT CONTEXT

 Context (TOP COP) stopped at the MARFOR



SECURITY

- SECRET due to IOS and DISA feed
- High Cost
 - personnel requirement
 - access control
 - potential limitation of participants

REALISTIC C2

- Artificial (insufficient) C2 systems in the Field
- Command Structure under-manned but became Focus of Assessment (AOC, CAOC)
- Dual ATO's (USMC and JNTC) avoided by emergency deployment of TBMCS

JECG PERSPECTIVES

- Non-interference frustrated JECG
- Horizontal = No Flexibility
- White Cells needed preparation and smart-pack
- JECG was a Pick-up Team
- Isolate PA and DVs from Exercise

